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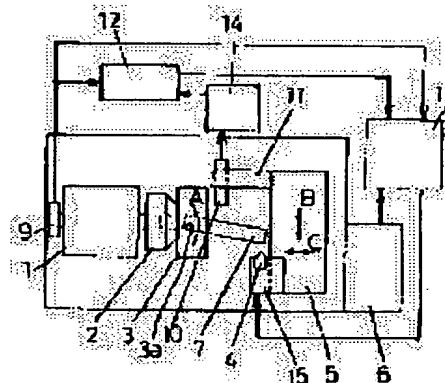
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(54) MACHINING TOOL SHIFT TYPE MACHINING DEVICE AND ITS METHOD

(57)Abstract:

PURPOSE: To perform the machining by a machining tool and with tracking secured to the rotational run-out by providing a sensor which detects the rotational position of a work held by a holding member provided on a rotary spindle and a sensor which detects the run-out value on the machining reference plane of the work.

CONSTITUTION: The detection output of a rotational position sensor 9 is inputted to an arithmetic circuit 12 and an output circuit 13. The detection output of a run-out sensor 10 is inputted to the circuit 12 via a waveform shaping circuit 14. Then the output signal of the circuit 12 is inputted to the circuit 13, and a fine adjustment mechanism 15 gives a fine movement to a cutting tool 4 based on the output signal of the circuit 13. The circuit 14 approximates the detection output of the sensor 10 to the sine curve and can reduce the measurement error on the machining reference plane. Then the circuit 12 operates the correction value at every machining point and every rotational position of a work 3 based on the detection output of both sensors 9 and 10.



LEGAL STATUS

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